

PATENT CLAIMS

1. Kitchen appliance comprising
a housing (14) and a pitcher (22) removable from the housing (14),
a driving motor (16) located in the housing (14),
a tool shaft (12) of a coupling device (32), disposed inside the pitcher (22) and
mounted via a shaft bearing (50), which coupling device (32) has an input
coupling (37) placed on the tool shaft (12) and which matches the output shaft
(35),
a cooling air duct with a port (43) provided on the housing (14),
characterised in that a lid (40) is provided which may occupy an open position,
in which the port (43) is open, and which may occupy a closed position, in
which the port (43) is closed,
and in that the lid (40) may be brought into the open position by coupling the
input coupling (37) with the output coupling (35).
2. Kitchen appliance according to claim 1, **characterised in that** the lid (40) is
held tensioned by a spring (36) in the closed position.
3. Kitchen appliance according to claim 1 or 2, **characterised in that** the input
coupling (37) can be brought into an uncoupled position compared to the output
coupling (35).
4. Kitchen appliance according to claims 1 to 3, **characterised in that** the lid (40)
when in the closed position, covers the output coupling (35).
5. Kitchen appliance according to one of the previous claims, **characterised in
that** in the opened position of the lid (40) the cooling air duct is released for
conducting cooling air for the driving motor (16) and/or the coupling device (32)
and/or the shaft bearing (50).
6. Kitchen appliance according to one of the previous claims, **characterised in
that** the port (43) is disposed adjacent to the output coupling (35).

7. Kitchen appliance according to one of the previous claims, **characterised in that** a fan (66) arranged on the driving motor (16) generates a cooling air current (80) through the cooling air duct.
8. Kitchen appliance according to one of the previous claims, **characterised in that** the cooling air channel has a gap (70) between a floor portion (24) of the pitcher (22) and the housing (14) and an additional opening (72) in the housing (14), which is remote from the port (43).
9. Kitchen appliance according to one of the previous claims, **characterised in that** the cooling air enters at the gap (70), is conducted past the shaft bearing (50) and the coupling device (32), enters the interior of the housing (14) through the port (43), flows through the driving motor (16) and exits again from the housing (14) through the additional opening (72).
10. Kitchen appliance according to one of the previous claims, **characterised in that** the pitcher (22) has a pitcher base (28) and a bearing shield (30) carrying the shaft bearing (50), whereby the pitcher base (28) is mountable on the housing (14) via a locking means, preferably a bayonet fixing.
11. Kitchen appliance according to one of the previous claims, **characterised in that** the pitcher (22) is mountable on the pitcher base (28) via a connection means, preferably a thread, and in that, when the pitcher (22) is mounted on the pitcher base (28), the bearing shield (30) is disposed between the pitcher (22) and the pitcher base (28).
12. Kitchen appliance according to one of the previous claims, **characterised in that**, when the pitcher base (28) is mounted on the housing (14) and the pitcher (22) is not mounted on the pitcher base (28), the bearing shield with bearing shaft (12) and the input coupling (37) is moved by means of the tensioned lid (40) in such a way that the input coupling (37) is uncoupled from the output coupling (35).
13. Kitchen appliance according to one of the previous claims, **characterised in that** an annular gap (41) is formed between the housing (14) and the output coupling (35) and in that the lid (40) is annularly shaped and is linearly movable

to and fro from the closed position into the opened position coaxially to the output coupling (35).

14. Kitchen appliance according to one of the previous claims, **characterised in that** the lid (40) has a stop in the closed position and is positioned so as to be flush with the adjacent housing portion and/or the facing end of the output coupling (35).